



understanding, procedural skill, math fluency and application. Students successful in this course will be enrolled in Integrated Math B Honors the following year.

### **INTEGRATED MATH B ESSENTIALS**

**Grade Level: 8**

This course is for students who have had exposure to, but have not mastered the following 7th grade topics: analyzing proportional relationships; drawing, constructing and describing geometrical figures; finding angle measure, area, surface area, and volume, evaluating probability models. This course is a below grade level course which will have an individualized remediation component, as well as covering essential Math B standards. Essential Math B standards will include: working with radicals and integer exponents; understanding the connection between proportional relationships, lines, and linear equations; solving linear equations and systems of linear equations; using functions to model relationships between quantities; understanding congruence and similarity; applying the Pythagorean Theorem; investigate patterns of association in bivariate data. Students will be expected to work collaboratively, individually and demonstrate their learning through the Standards of Mathematical Practice. Students successful in this course will be enrolled in Integrated Math 1 Readiness the following year; a bridge course will be available for students interested in enrolling in Integrated Math

### **INTEGRATED MATH B**

**Grade Level: 8**

In Integrated Math B, students will develop an understanding of formulating and reasoning about expressions and equations; modeling an association in bivariate data with linear equations; solving linear equations; solving systems of linear equations; grasping the concept of a function and using functions to describe quantitative relationships; analyzing two- and three-dimensional figures using distance, angle, similarity, and congruence; understanding and applying the Pythagorean Theorem. Students will be expected to work collaboratively, individually and demonstrate their learning through the Standards of Mathematical Practice. Students will be exposed to rich instruction that develops their conceptual understanding, procedural skill, math fluency and application. Students successful in this course will be enrolled in Integrated Math 1 the following year.

### **INTEGRATED MATH B HONORS**

**Grade Level: 7 & 8**

Integrated Math B Honors is a challenging course designed for students who excel in math. Students in this course easily grasp higher level concepts and embrace rigorous curriculum. In Integrated Math B Honors, students will develop an understanding of formulating and reasoning about expressions and equations; modeling an association in bivariate data with linear equations; solving linear equations; solving systems of linear equations; grasping the concept of a function and using functions to describe quantitative relationships; analyzing two- and three-dimensional figures using distance, angle, similarity, and congruence; understanding and applying the Pythagorean Theorem. Students in this course will extend their learning of the standards with greater depth and rigor. Students will be expected to work collaboratively, individually and demonstrate their learning through the Standards of Mathematical Practice. Students will be exposed to rich instruction that develops their conceptual understanding, procedural skill, math fluency and application. Students successful in this course will be enrolled in Integrated Math 1 Honors the following year.

### **INTEGRATED MATH 1 HONORS/ACCELERATED (P)**

**Grade Level: 9**

Integrated Math 1 Honors is a challenging course designed for students who excel in math. Students in this course easily grasp higher level concepts and embrace rigorous curriculum. Integrated Math 1 Honors is the first course of an accelerated three year integrated math sequence that also includes Pre-Calculus. This course is a college prep course that meets the minimum graduation requirement for the state of California and follows the Integrated Pathway in the Common Core State Standards. Integrated Math 1 Honors will explore in greater depth and rigor the standards of Integrated Math 1 as well as additional Integrated Math 2 and Pre-Calculus topics. Students will extend their understanding of numerical manipulation to algebraic manipulation; synthesize understanding of function; deepen and extend understanding of linear and exponential relationships and systems of linear equations; explore arithmetic and geometric sequences; apply linear models to data that exhibit a linear trend; establish criteria for congruence based on rigid motions; apply the Pythagorean Theorem to the coordinate plane; represent and model with vectors and perform operations on vectors; perform operations on 2x2 and 3x3 matrices, matrix arithmetic, finding inverse matrices, and use matrices in applications. Students will also begin working with quadratic functions, quadratic equations and rational exponents. Students will be expected to work collaboratively, individually and demonstrate their learning through the Standards of Mathematical Practice. Students will be exposed to rich instruction that develops their conceptual understanding, procedural skill, problem solving skills, critical thinking abilities, and strengthen situational analysis abilities.

## **PHYSICAL EDUCATION**

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**Grade Level: 7 & 8**

This course provides students with the opportunity to participate in an engaging and comprehensive program of cardiovascular, strength and skill development through participation in team sports and physical education activities. Students will receive instruction in rules, skills and strategies associated with different sports as well as training in physical conditioning activities. The goal of this class is to promote lifelong fitness as well as values such as the spirit of cooperation, leadership, sportsmanship and friendly competition.

### **PERSONAL FITNESS**

This physical education course will educate students about the physiology of the human body, and how physical activities affect the body. With the guidance of the teacher, students will be exposed to a variety of workout styles including but not limited to circuit training, barre, medicine balls, tabata, as well as exposure to some traditional sports. The goal of the class is to inspire lifelong fitness by increasing engagement in activities that further personal strength and/or conditioning. Students will also have the opportunity to see how their learning and efforts carry over into other activities and aspects of life.

### **BASKETBALL PE**

This course is designed to develop and understand the sport of basketball. The class provides the rules, strategies, and basic fundamentals, physical awareness and court awareness for participating in the sport.

### **ADAPTED PHYSICAL EDUCATION**

The APE Peer Tutor program is the use of peer tutors to assist students with special-needs within the physical education environment. A.P.E. Peer tutors suit up for active participation in physical activity and receive P.E. credit. Tutors gain self-satisfaction, personal growth, and a better understanding of students with special needs, as they become involved with the students and the program. Fitness testing and writing a research paper are essential elements of evaluation for all students enrolled in this course. Prerequisites: Adapted Physical Education peer tutor character reference report submitted (Teacher Recommendation).

### **INDEPENDENT STUDY PE**

**Grade Level: 7 & 8**

(SDUHSD Online ISPE Contract & Paperwork required; must apply and meet criteria for enrollment.)

This course is designed for the athlete who competes in an individual sport. Students are off campus during period 1 or 6 to participate in their sport.

**SURF PE****Grade Level 8**

In this PE class, you will practice and have opportunities to improve your surfing and/or body boarding skills at the beach. Participating students will also learn about beach and ocean awareness and safety. The course will be held adjacent to Moonlight Beach in Encinitas during the last block class, two days a week during your student's PE class. The class will dress out in traditional PE clothes at Diegueno on single period days and when class at the beach is cancelled due to inclement weather, poor water quality, or extenuating circumstances.

**SCIENCE****7TH GRADE SCIENCE****Grade Level: 7**

7th Grade Science is a year-long, inquiry-oriented and integrated science course for 7th graders. In addition to addressing portions of life science content from outgoing California State Standards, some engineering, physical, and Earth-space science content will also be included as SDUHSD transitions to the new California-adopted Next Generation Science Standards for the 2018-2019 school year.

**8TH GRADE SCIENCE****Grade Level: 8**

8th Grade Science is a year-long, inquiry-oriented and integrated science course for 8th graders. In addition to addressing portions of physical science content from outgoing California State Standards, some engineering, life, and Earth-space science content will also be included as SDUHSD transitions to the new California-adopted Next Generation Science Standards for the 2018-2019 school year.

**SOCIAL SCIENCES****WORLD HISTORY/GEOGRAPHY****Grade Level: 7**

This course examines the political, social, cultural and economic developments around the world from approximately 500 A.D. through the 1700's. Students examine the history and cultures of Africa, the Middle East, Asia, the Americas, and medieval Europe through the Age of Enlightenment. This course is the second in a World History sequence that began with the sixth grade Ancient Civilizations course and continues in the tenth grade course on the Modern World.

**UNITED STATES HISTORY****Grade Level: 8**

This course examines the political, economic and social developments in the United States from colonial times through 1914. Particular emphasis is placed on examining the political values on which our nation was based, as well as issues and events that affected their continued development.

**ELECTIVES****BAND \*****Grade Level: 7 & 8****INTERMEDIATE BAND \*(Audition) ADVANCED BAND \* (Audition)**

These courses offer students the opportunity to begin or continue their study of standard woodwind, brass and percussion instruments, and to participate in band performances. Students play music that includes arrangements of popular and classical compositions.

**COLLEGE READINESS****Grade Level 7 & 8**

College Readiness is aimed at helping students in the academic "middle" be successful in the most rigorous curriculum possible, and to prepare them for success in a college environment after graduation. This course will:

- Develop organizational and study skills in order to prepare students for high school and college.
- Support students in core subject areas through collaboration with peers and tutors.
- Provide enrichment and motivational activities that make college attainable for all students.
- Provide 21st century learning opportunities to promote digital literacy, communication skills, and collaboration.

**COMPUTER PROGRAMMING AND APP DESIGN**

Provide students with an exploratory course in computer science as well as an introduction to programming language and logic. Build real world 21st Century skills. Explore a variety of programming applications (Alice, Kodu, Scratch, etc.) through design-based and project-based learning. Develop personal connections to computing by drawing upon interests, creativity, and imagination.

**DRAMA****Grade Level: 7 & 8**

This class focuses on building student self-confidence, creative expression, and cooperative learning. This is a performance-based class where students will build on basic acting skills. Students will have the opportunity for participation in a variety of drama activities, such as: monologues, character analysis, improvisation, and scene work. Students will also perform in Diegueño's Fall and Spring Arts Performance. Many opportunities will be provided for students to take part in all aspects of theatre, such as: acting, directing, lighting and sound, costume/make-up, and publicity.

**JOURNALISM****Grade Level: 7 & 8**

\*\*Requires Application

Focus on the production of the school yearbook and the school newspaper. Require interviews and screening of students for editor and staff positions. Focus on coverage of all school activities through the final yearbook deadline in late March or April. Necessitate adhering to publisher deadlines.

## **MULTIMEDIA DESIGN**

Introduce students to various multimedia software included in the Adobe Creative Suite – Photoshop, Dreamweaver, Illustrator and Flash – through design-based and project-based learning. Extensive practice in digital photography, photo manipulation, web page design, and online design creation. Animation/cartoons using Flash (projects, commercials, and animated shorts). To allow middle school students to explore introductory levels of multimedia design using the various software available in the district.

## **SPANISH I \* (P) – College Prep**

**Grade Level: 7 & 8**

Fulfills UC/CSU Requirements

This year long course consists of a series of linguistic activities and cultural topics which enables students to communicate about daily activities at a survival level. Curriculum is based on the California World Languages Framework, and activities are chosen for their personal significance to the students, thereby providing an aspect of spontaneity to communication. At the end of this course, students will be able to understand, speak, read, and write about high frequency expressions and phrases and make him/herself understood by the teacher.

## **SPANISH II \* (P) – College Prep**

**Grade Level: 8 - \*\*Requires completion of Spanish 1 with a “C” or better**

Fulfills UC/CSU Requirements

This year long course consists of a series of linguistic activities and cultural topics which enable the students to communicate about daily activities at a functional level. Curriculum is based on the California World Languages Framework, and activities are chosen for their personal significance to the students, thereby providing an aspect of spontaneity to the communication. At the end of the course, the student will be able to understand, speak, read, and write about basic daily activities, high frequency expression, and make him/herself understood by a sympathetic native speaker.

## **STEM EXPLORATIONS 1**

**Grade Level: 7 & 8**

This semester-long course provides an introduction to design and engineering through structured problem-solving activities. Principles learned using LEGO Simple and Powered Machines will be applied to novel situations as students work together to complete design challenges. Students will create objects for 3-D printing and will be able to choose between the study of circuits, computer aided design, or programming modules throughout the semester. An emphasis on inquiry and discovery will allow students to develop and use critical-thinking skills. Open to any students.

## **LEADERSHIP (ASB) \***

**Grade Level: 7 & 8**

\*\*Requires Application

Provide learning experiences in areas of planning, implementation and evaluation of programs and events. Plan school-wide events and activities such as school dances, Cougar Pride Parties, Kindness Weeks, Spirit Days and more. Stress improved time management, goal setting, communication and organizational skills. Give insight into parliamentary procedure, California State law, the education code and school finance. Nurture student appreciation of the democratic process. Promote student connections with peers, staff and community around campus through school-wide events, Character Counts, and community outreach.

## **GENERAL STUDIO ART**

**Grade Level: 7 & 8**

Length of Course: One semester

Expose the student to varied art forms, media, and techniques, including drawing, painting, sculpture, cartooning, printmaking and ceramics. Introduce the elements of line, shape, form, value, color, texture, space as well as the principles of design. Include research and connections to art history, cultures and artists.

Provide art vocabulary and foundation for students to discuss and evaluate works of art, including their own, in a supportive atmosphere. Connect and apply what is learned in visual arts to other art forms and subjects and to careers.

## **YEAR-LONG ADVANCED ART\***

Length of Course: One year

**Grade Level: 8 – \*\*Requires completion of General Studio Art.**

Expand upon concepts and techniques learned in General Studio Art. Include students creating their own portfolios focusing on utilizing a variety of forms, media, and techniques to advance their own creative style. Further students’ knowledge in art history and writing.

## **SUPPORT COURSES**

### **MATH SKILLS 7 (replaces elective)**

This elective course provides additional support to lower level Integrated Math A students and is designed to help prepare them for Integrated Math B in 8th grade. This course is for students who have barely achieved or are in the lower end of proficiency in their math standards and on the District Diagnostic Test (MDTP). This course is taken as an elective in conjunction with Integrated Math A.

### **READ 180 (replaces elective)**

**Grade Level 7 & 8**

Prerequisite: Must be taken concurrently with English 7 or English 8

Language Arts skills are essential to academic success. Read 180 provides support in reading, writing, speaking, and listening to assist students who scored Basic or below on the California Standards Test. Read 180 has a foundational reading and phonics intervention technology program for our language learners called System 44. System 44 includes state-of-the-art adaptive reading technology that delivers direct, explicit, research-based foundational reading and phonics instruction as well as engaging, high-interest print materials for student practice in reading, writing, and spelling.

**STUDY SKILLS (replaces elective)****Grade Level 7 & 8**

The study skills class is taught by the intervention coordinator in a small instructional environment. The curriculum of the study skills class focuses on developing organization skills, teaching test preparation strategies, helping students understand how they learn, and working on individual goals as determined by the intervention coordinator and the students' teachers.

**Prerequisites:** Students are identified by their teachers as needing additional academic support. Students work with the intervention coordinator and/or another support program for several weeks and are only enrolled if sufficient progress is not made. Placement into the course is subject to the recommendation of the SST team.

**NOTE:** Please refer to the Course Selection Form for the elective courses currently offered at Diegueno Middle School. Final elective courses offered are based on student sign-ups and staffing availability.